

Two-Way Teaching Learning and New Literacies

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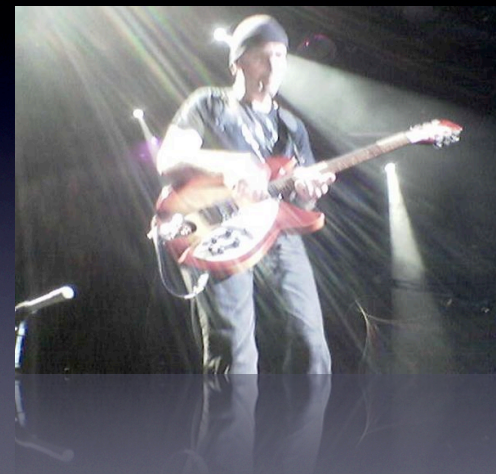
<http://twowayteaching.wikispaces.com>

www.edtechlife.com



The screenshot shows the homepage of the 'Educational Technology and Life' blog. The header features a landscape image with the title 'Educational Technology and Life' and the subtitle 'Context-embedded, inquiry-driven, and socially-negotiated learning'. Below the header, there is a search bar and a 'Subscribe' button with an RSS 2.0 icon. The main content area displays a post titled 'Will Hope Trump Fear in 2008?' by Mark Wagner, dated February 17th, 2007. The post text discusses the author's political stance and their experience with different operating systems. To the right of the text, there are two logos: 'CUE 2007 blogger' and 'ET&L'.

A Message From The Future...



Whose hand will they hold?

Technology is a tool. It's a lens through which we can show that world of infinite possibilities to our children — through which they can examine, explore, and affect their world. If we continue to look at technology as a machine and education as a process that we can plug our children into in order to improve reading and math test scores, then whose shoulder are they going to rest their heads on? Whose hand are they going to hold as they walk into their future?

www.davidwarlick.com/2cents/

What am I talking about?

- Science and technology can make the future better for our students.
- Students will still have shoulders to rest on and hands to hold.

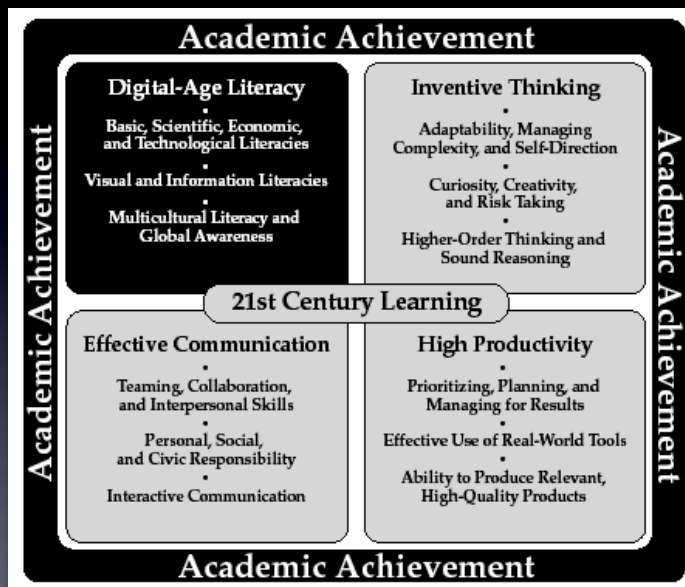
Four Philosophies For Lead Learners

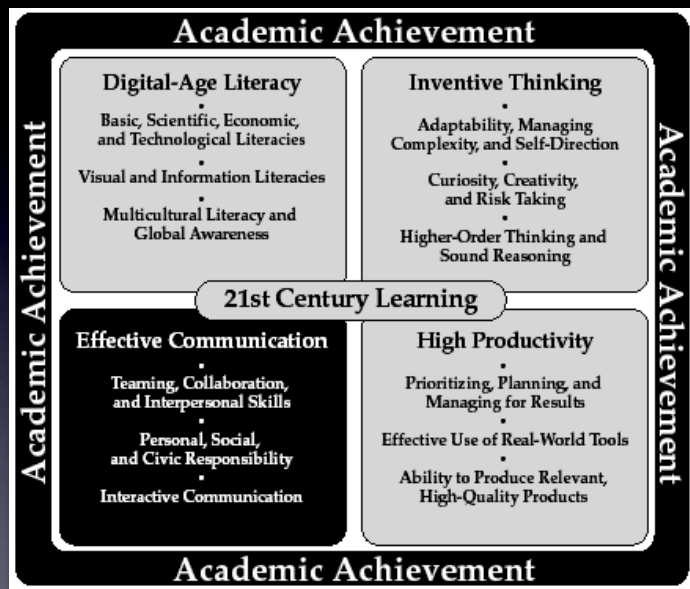
- The Lead Learner Philosophy
- The Face-to-Face Philosophy
- The “and Life” Philosophy
- The Kindergarden Philosophy
- The “Training, Sharing, Planning” Philosophy

Think, Pair, Share

- What new literacies do our students need to succeed in the 21st century?
- What is two-way teaching?
- And, how might two-way teaching help students develop these new literacies?

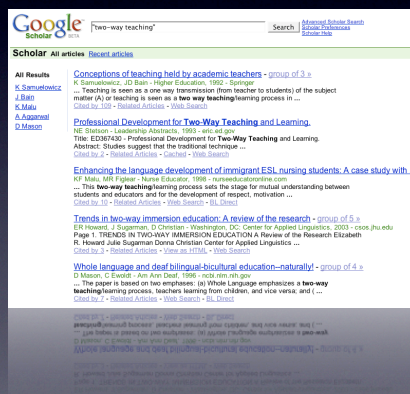
New Literacies: 21st Century Skills





Two-Way Teaching

- Second Language Acquisition
- Science and Mathematics
- Physical Education
- Web Based Education
- Health Education
- Stetson, 1993



One-Way Teaching: Retention After Class

42%

One-Way Teaching: One Week Later

17%

Two-Way Teaching

- Improves Student Learning
- Improves Institutional Effectiveness
- Is Cooperative and Active
- Seeks Immediate Feedback (from Students)

What does two-way teaching mean to me?

- Teacher - Student
- Student - Student
- Teacher - Teacher
- Expert - Teacher
- Expert - Student

Teacher - Student

- Lectures, Demonstrations, and Coaching
- The Lead Learner Concept
- Student Experts

Student - Student

- Beyond jigsaw technique...
- Student Experts
- Reports and Presentations
- Student Made Movies
- Dramatic Play

Teacher - Teacher

- Professional Development
- Professional Learning Communities
- Online PD

Expert - Teacher

- Consultants
- Professionals and Academics
- NASA and others via video conferencing

Expert - Student

- Correspondence with Authors and Experts
- Book Clubs
- Student Experts

The more of these
permutations we have
access to... and engage...
the better.

Pre-Assessment

- Blogs?
- Podcasts?
- Wikis?
- RSS?
- Creative Commons?
- Video Games in Education?

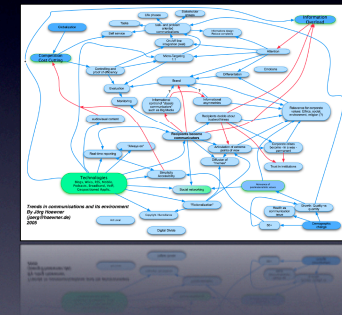
The One-Way Web

- Powerful resource for educators and students, but...
- Information moves from publishers to consumers
- Information cannot be edited
- Read-Only Web
- Web 1.0



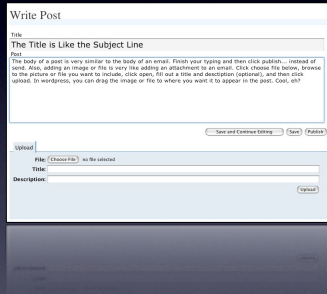
The Two-Way Web

- It is now as easy to create as it is to consume.
- Anyone can publish, share, and change information
- Read/Write Web
- Web 2.0
- This is changing our world!



Blogs

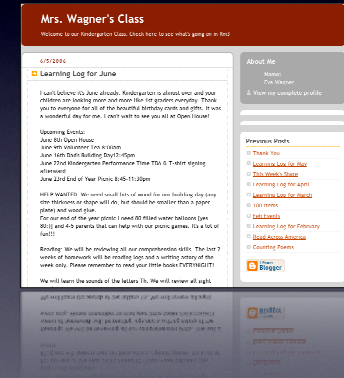
- Web + Log = weblog or “we blog”
- Easily created
- Easily updated
- If you can email, you can blog.
- Blogs allow visitors to comment.



www.technorati.com

Educational Blogs

- Teacher web sites
- Class web sites
- Learning journals
- Book Clubs
- Connect with Authors and Experts
- Pen pals
- Professional Development
- Reflective Practice



www.edublogs.com

Podcasts

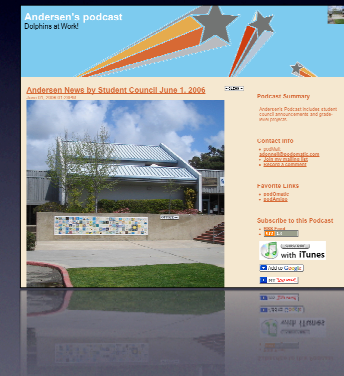
- Podcasts are blogs with audio or video.
- Podcasts are like Internet radio shows or TV shows.
- Podcasts are consumed on demand.



www.epnweb.org

Educational Podcasts

- Lectures & lessons
- Just-in-time learning
- School News
- Classroom News
- Final Projects
- Presentations
- Performances
- Foreign Languages
- Music



www.podomatic.com

Wikis

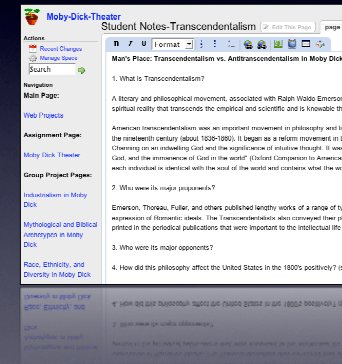
- Websites anyone can edit!
- If you can use a word processor, you can use a wiki.
- Visitors can see a history of changes and revert to earlier versions.



www.wikipedia.org

Educational Wikis

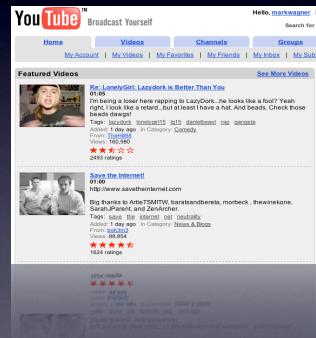
- Collaboratively authored class texts
- Writing projects
- Group projects
- Sharing resources
- Grade level teams
- Subject area teams
- Professional Development



www.wikispaces.org/site/for/teachers/

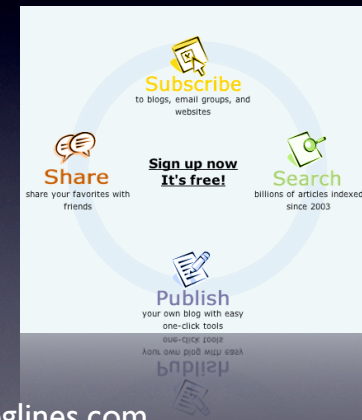
Other Services

- FURL.net - Annotate, save, and share bookmarks online!
- Flickr.com - Upload, tag, and share images online!
- Search Feeds - Notifications from Google, Technorati, and More!



RSS

- Subscribe to sources that are important to you.
- Stay up to date quickly and easily.
- Share your subscriptions with students... or other teachers.



www.bloglines.com

Benefits

- Engagement and Motivation
- Context
- Inquiry
- Collaboration
- Reflection and Metacognition
- 21st Century Skills and New Literacies

Concerns

- Information Literacy
- Inappropriate Content
- Inappropriate Sharing
- Threats and Cyber-bullying
- Intellectual Property
- Fraud and Identity Theft
- Stalkers and Predators
- Free Speech Concerns
- Lack of Understanding

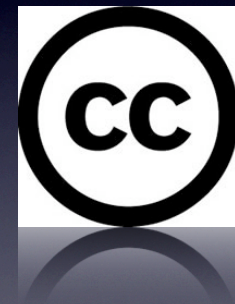
Proactive Strategies

- Citizen Journalism and Citizen Police Work
- Legal Protections
- Safety Tips for Students
- Safety Tips for Parents
- Communication and Empathy
- Use The Creative Commons...

www.socialshield.com

Creative Commons

- Share, Reuse, and Remix - Legally
- Find CC Content
- License Your Work



www.creativecommons.org

Student - Computer

- Video Games and Simulations as Learning Environments
- Students Designing Games and Simulations



<http://powerup.wikispaces.com>

Reflection

- What is the most important thing you've learned today? (Or, what do you most want to share with others?)
- What burning questions do you still have?

Reflection

- How the tools I have been exposed to today can and/or could change how we work:
- My personal roadmap to get on board - what are my priorities? Describe your 3 step plan to jump on board:

Q & A

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